

11-29-01

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**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 5649-909

DATE: November 27, 2001

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR 1.53(b))**

BOX PATENT APPLICATION  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is:

- ☒ a patent application  
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: \_\_\_\_\_; filed \_\_\_\_\_, the disclosure of which is hereby incorporated herein by reference in its entirety.  
☐ and claims the benefit of Provisional Application No. \_\_\_\_\_; filed \_\_\_\_\_.

Inventor(s) or Application Identifier:

**Won-young Chung**  
Kyungki-do, Republic of Korea

**Tai-kyung Kim**  
Kyungki-do, Republic of Korea

**Jae-joon Oh**  
Sungnam-city, Republic of Korea

Entitled: **METHODS, APPARATUS AND COMPUTER PROGRAM PRODUCTS FOR  
SIMULATING PLASMA BEHAVIOR IN A PLASMA REACTOR APPARATUS  
USING TWO-DIMENSIONAL CROSS-SECTION COMPUTATIONS**

Correspondence Address:



20792

PATENT TRADEMARK OFFICE

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ 24 pages of Specification (including 35 claims)
3. ☒ 8 sheets of **Informal** Drawings (35 USC 113)
4. ☐ Oath or Declaration
  - a. ☐ newly executed (*original or copy*)
  - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 6 Below]
  - c. ☐ **DELETION OF INVENTOR(S)** (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
- 6.. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

7. ☐ Microfiche Computer Program (*Appendix*)
8. ☐ Assignment papers (*cover sheet(s) and document(s)*)
9. ☐ Applicant claims small entity status. See 37 CFR 1.27.
10. ☒ Information Disclosure Statement, PTO-1449, and 4 references cited
11. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)
12. ☐ English Translation Document
13. ☒ Certified Copy of Korean Application No. 2001-167; Filed January 3, 2001
14. ☐ Sequence Listing/ Sequence Listing Diskette
  - a. ☐ computer readable copy
  - b. ☐ paper copy
  - c. ☐ statement in support
15. ☐ An Associate Power of Attorney
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
17. ☒ Other: Application Filed Under 37 C.F.R. § 1.41(c)

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate Fee	Large Entity Rate Fee
BASIC FEE			\$370.00	\$ 740.00
TOTAL CLAIMS	35 - 20 =	15	x 09 = \$	x 18 = \$270.00
INDEP CLAIMS	5 - 3 =	2	x 42 = \$	x 84 = \$168.00
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 140 = \$	+ 280 = \$
If the difference in Col. 1 is less than zero, Enter "0" in Col. 2			Total \$	Total \$1,178.00

- ☐ A check in the amount of \$ to cover the filing fee is enclosed.
- ☐ A check in the amount of \$ is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).
- ☐ Please charge my Deposit Account No. 50-0220 in the amount of \$ .
- ☐ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
- a. ☐ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
  - b. ☐ Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

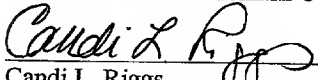
  
Robert M. Meeks  
Registration No. 40,723

**CERTIFICATE OF EXPRESS MAILING**

Express Mail Label No. EL 920739753 US

Date of Deposit: November 27, 2001

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

  
Candi L. Riggs

Date of Signature: November 27, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Chung et al.

Serial No.: To Be Assigned

Filed: Concurrently Herewith

For: METHODS, APPARATUS AND COMPUTER PROGRAM PRODUCTS FOR  
SIMULATING PLASMA BEHAVIOR IN A PLASMA REACTOR APPARATUS  
USING TWO-DIMENSIONAL CROSS-SECTION COMPUTATIONS

Date: November 27, 2001

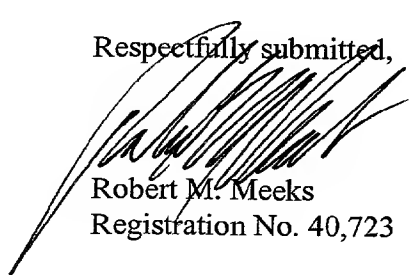
BOX PATENT APPLICATION  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

**APPLICATION FILED UNDER 37 CFR 1.41(c)**

Sir:

The above identified application is being filed on behalf of the inventor(s),  
Won-young Chung, Tai-kyung Kim and Jae-joon Oh, residents of the Republic of Korea,  
under the provisions of 37 CFR 1.41(c). A Declaration and Power of Attorney from the  
inventor will follow, 37 CFR 1.63.

Respectfully submitted,

  
Robert M. Meeks  
Registration No. 40,723



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PATENT TRADEMARK OFFICE

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Candi L. Riggs; Date of Signature: November 27, 2001